

### Abstract

A jobsite-applied radiation curable floor finish containing inorganic particles exhibits improved scratch resistance but can be removed using strip agents. The finish can be applied to a multipiece flooring material whose pieces have a top surface, a side surface or surfaces and gaps between pieces. The top surface is coated and at least the uppermost portion of the gaps are filled with a layer or layers of cured finish composition comprising radiation cured polymer and sufficient inorganic filler particles to impart increased scratch resistance to the cured finish. The finish can also be applied as a strip agent-permeable coating atop a strippable intermediate coating atop a substrate.

The finish provides a better appearance and easier cleanability than would be the case if the flooring material had been factory-finished and then installed. In a factory-finished floor, there can be small differences in height between adjacent floorboards because it is not possible to sand the floorboards after installation without also removing at least some of the factory-applied finish. In a factory-finished floor, there are also small cracks between adjacent floorboards that are not sealed by the factory-applied finish.

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